

Temperature increase of main components

Model: MGW305□□

1. Conditions

- (1) Input :DC 5 [V]
 (2) Output :Rated output
 (3) Cooling method :Convection cooling
 (4) Mounting method :Shown as Fig.1.1

2. Result

Table 2.1 Temperature increase of main components

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No.	Parts name	Symbol No.	Increase (ΔT)		Rated temp. [°C]	Reference
			[deg]			
			$\pm 12V$	$\pm 15V$		
1	Switching MOS-FET	TR11	30	26	150	Junction Temp.
2	Power control IC	IC11	28	25	150	Junction Temp.
3	Rectified diode (Output)	D201	33	29	150	Junction Temp.
4	Rectified diode (Output)	D202	35	31	150	Junction Temp.
5	Photocoupler	PC11	28	25	125	Junction Temp.
6	Transformer (PCB)	P2	33	29	130	
7	CASE	CASE	29	26	110	Top Surface Center
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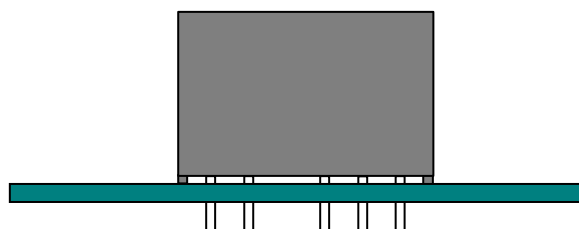


Fig.1.1 Mounting method